

ABSTRACT

NODE REMOVAL USING REMOTE BACK-UP SYSTEM MEMORY

[0031] A method and system for method of removing a node from a multi-node computer. The node receives a system management interrupt (SMI), resulting in a quiescenting of only that node. The SMI receiving node then polls other nodes in the multi-node computer to determine if the SMI affects an operation of any of the other nodes, and quiescents any other node affected by the SMI. Each quiescent node then transfers all of the contents of its system memory to a backup memory in an unaffected remote node in the multi-node computer. The remote node then assumes the function of the removed node that had received the SMI. The method and system thus allows node removal in the event of a hot-swap request or a predicted failure of a node.